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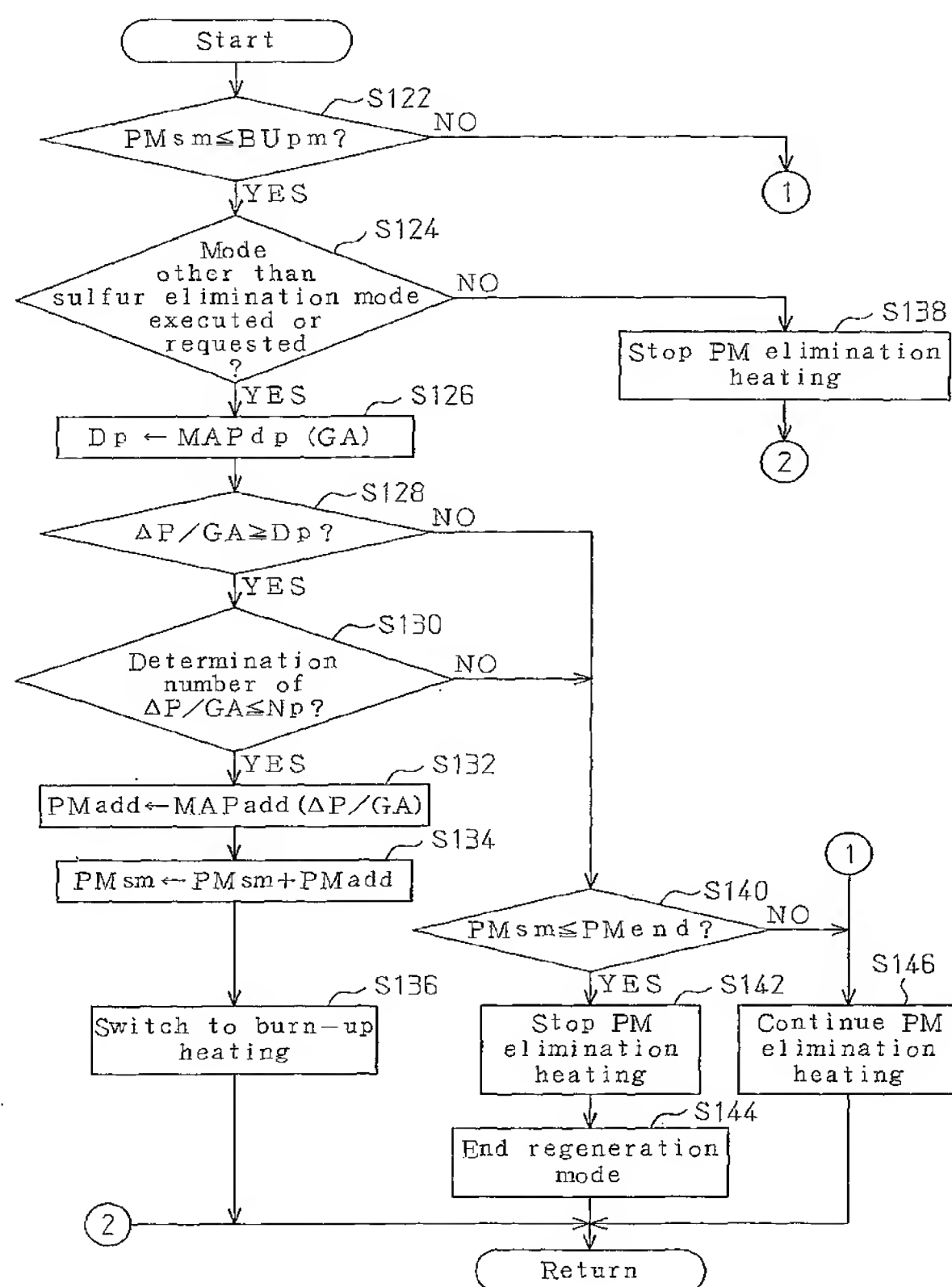
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(54) Title: REGENERATION CONTROLLER FOR EXHAUST PURIFICATION APPARATUS OF INTERNAL COMBUSTION ENGINE



(57) Abstract: A regeneration controller for an exhaust purification apparatus (36, 38) of an engine (2) that appropriately burns particulate matter accumulated in the exhaust purification apparatus. The regeneration controller includes an ECU (70) that determines whether an estimated accumulation amount (PMsm) of particulate matter deviates from an actual accumulation amount. When the estimated accumulation amount is less than or equal to a maximum value (BUpm) and an exhaust pressure difference ($\Delta P/GA$) is greater than a correction reference value (Dp), the ECU adds a correction value corresponding to the exhaust pressure difference to the estimated accumulation amount. This causes the estimated accumulation amount to approach the actual accumulation amount.



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